



STIC Search Report

EIC 3600

STIC Database Tracking Number: 119451

TO: Frantz Jules
Location: Pk. 5, 6A09
Art Unit: 3617
Thursday, April 15, 2004

Case Serial Number: 10/619425

From: Caryn Wesner-Early
Location: EIC 3600
PK5-Suite 804
Phone: 306-5967

caryn.wesner@uspto.gov

Search Notes

If a modification or re-focus of this search is needed, please let me know.

Caryn S. Wesner-Early, MSLS
Technical Information Specialist
EIC 3600, US Patent & Trademark Office
Phone: (703) 306-5967
Fax: (703) 306-5758
caryn.wesner@uspto.gov

Griffin, Etelka

From: Unknown@Unknown.com
Sent: Thursday, April 15, 2004 7:53 AM
To: STIC-EIC3600
Subject: Generic form response

(9)

ResponseHeader=Commercial Database Search Request

AccessDB#= 119 451 451

LogNumber= 9

Searcher= Orlson - Raly

SearcherPhone= 306-5967

SearcherBranch= 3600

MyDate=Thu Apr 15 07:53:09 EDT 2004

submitto=STIC-EIC3600@uspto.gov

Name=Frantz Jules

Empno=77715

Phone=308-8780

Artunit=3617

Office=PK-5

Serialnum=10, ⁶¹⁹~~910~~, 425

PatClass=246/120

Earliest=1 July 2002

Format1=paper

Searchtopic=Method for activating a warning device on a train at a location comprising maintaining a database of locations at which the warning device must be activated and corresponding regulation concerning activation of the warning device; obtaining a position of the train from a positioning system; selecting a next upcoming location from among the locations in the database based at least in part of the position; determining a point at which to activate the warning device in compliance with a regulation corresponding to the next upcoming location.

Comments=

send=SEND

b612-023?

246/295
b612-013?

" - 029?

340/988
g 089-001?

701/213
g 010-021?



STIC Search Results Feedback Form

EIC 3600

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

Karen Lehman, EIC 3600 Team Leader
306-5783, PK5- Suite 804

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3620 (optional)

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to EIC3600 PK5 Suite 804



?show files;ds

File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)
 (c) 2004 JPO & JAPIO
File 348:EUROPEAN PATENTS 1978-2004/Apr W01
 (c) 2004 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20040408,UT=20040401
 (c) 2004 WIPO/Univentio
File 350:Derwent WPIX 1963-2004/UD,UM &UP=200423
 (c) 2004 Thomson Derwent
File 371:French Patents 1961-2002/BOPI 200209
 (c) 2002 INPI. All rts. reserv.
File 120:U.S. Copyrights 1978-2004/Mar 30
 (c) format only 2004 The Dialog Corp.
File 426:LCMARC-Books 1968-2004/Mar W1
 (c) format only 2004 Dialog Corporation
File 430:British Books in Print 2003/Nov W5
 (c) 2003 J. Whitaker & Sons Ltd.
File 483:Newspaper Abs Daily 1986-2004/Apr 14
 (c) 2004 ProQuest Info&Learning
File 35:Disertation Abs Online 1861-2004/Mar
 (c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Apr W2
 (c) 2004 BLDSC all rts. reserv.
File 8:Ei Compendex(R) 1970-2004/Apr W1
 (c) 2004 Elsevier Eng. Info. Inc.
File 94:JICST-EPlus 1985-2004/Mar W4
 (c) 2004 Japan Science and Tech Corp(JST)
File 6:NTIS 1964-2004/Apr W2
 (c) 2004 NTIS, Intl Cpyrghrt All Rights Res
File 144:Pascal 1973-2004/Apr W1
 (c) 2004 INIST/CNRS
File 63:Transport Res(TRIS) 1970-2004/Mar
 (c) fnt only 2004 Dialog Corp.
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Mar
 (c) 2004 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
 (c) 2002 The Gale Group
File 58:GeoArchive 1974-2004/Oct
 (c) 2004 Geosystems
File 292:GEOBASE(TM) 1980-2004/Apr B1
 (c) 2004 Elsevier Science Ltd.
File 89:GeoRef 1785-2004/Apr B2
 (c) 2004 American Geological Institute
File 2:INSPEC 1969-2004/Apr W1
 (c) 2004 Institution of Electrical Engineers
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Apr W2
 (c) 2004 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
File 111:TGG Natl.Newspaper Index(SM) 1979-2004/Apr 15
 (c) 2004 The Gale Group
File 9:Business & Industry(R) Jul/1994-2004/Apr 14
 (c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Apr 15
 (c) 2004 ProQuest Info&Learning
File 148:Gale Group Trade & Industry DB 1976-2004/Apr 15
 (c) 2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/Apr W1
 (c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Apr W1
 (c) 2004 IDG Communications
File 990:NewsRoom Current Jan-2004/Apr 15
 (c) 2004 The Dialog Corporation
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Apr 15
 (c) 2004 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2004/Apr 15
(c) 2004 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2004/Apr 15
(c) 2004 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Apr 15
(c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Apr 15
(c) 2004 The Gale Group
File 16:Gale Group PROMT(R) 1990-2004/Apr 15
(c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 587:Jane's Defense&Aerospace 2004/Apr W2
(c) 2004 Jane's Information Group
File 239:Mathsci 1940-2004/May
(c) 2004 American Mathematical Society
File 624:McGraw-Hill Publications 1985-2004/Apr 14
(c) 2004 McGraw-Hill Co. Inc
File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Mar
(c)2004 Info.Sources Inc
File 484:Periodical.Abs Plustext. 1986-2004/Apr W2
(c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Apr
(c) 2004 The HW Wilson Co

| Set | Items | Description |
|-----|----------|---|
| S1 | 378 | AU='KANE M' |
| S2 | 27 | AU='KANE M E' |
| S3 | 9 | AU='KANE M.' |
| S4 | 2 | AU='KANE M.E.' |
| S5 | 27 | AU='KANE MARK' |
| S6 | 5 | AU='KANE MARK EDWARD' |
| S7 | 38 | AU='KANE ME' |
| S8 | 7 | AU='KANE, M' |
| S9 | 234 | AU='KANE, M.' |
| S10 | 9 | AU='KANE, M. E.':AU='KANE, M. ET AL' |
| S11 | 1 | AU='KANE, M.E.' |
| S12 | 192 | AU='KANE, MARK' |
| S13 | 91 | AU='KANE, MARK.' |
| S14 | 2 | AU='SHOCKLEY J' |
| S15 | 10 | AU='SHOCKLEY J F' |
| S16 | 6 | AU='SHOCKLEY J.':AU='SHOCKLEY JAMES FRANCIS' |
| S17 | 2 | AU='SHOCKLEY, J.' |
| S18 | 3 | AU='SHOCKLEY, JAMES' |
| S19 | 21 | AU='HICKENLOOPER H T':AU='HICKENLOOPER HARRISON THOMAS' |
| S20 | 0 | AU='HICKENLOOPER, H' |
| S21 | 1033 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 - OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 |
| S22 | 58 | S21 FROM 347,348,349,350,371 |
| S23 | 76827 | IC=(B61L-023? OR B61L-013? OR B61L-029? OR G08G-001? OR G0- 1C-021?) |
| S24 | 1 | S22 AND S23 |
| S25 | 11897281 | WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARU- M? ? OR HONK??? OR TOOT??? OR RING??? |
| S26 | 26 | S22 AND S25 |
| S27 | 18 | S26 AND (TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL() (WAY OR ROAD) OR ROLLING() STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FRE- IGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?) |
| S28 | 18 | S24 OR S27 |
| S29 | 18 | IDPAT (sorted in duplicate/non-duplicate order) |

S30 15 IDPAT (primary/non-duplicate records only)
 S31 .975. S21 NOT S22
 S32 43 S25 AND S31
 S33 1 S32 AND (TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL() (WAY OR
 ROAD) OR ROLLING() STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ?
 OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FRE-
 IGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN?)
 S34 16 S30 OR S33

34/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01706610

METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A *WARNING* DEVICE ON A
TRAIN

SYSTEME PERMETTANT DE DECLANCHER AUTOMATIQUEMENT LE SYSTEME AVERTISSEUR
D'UN *TRAIN* ET TECHNIQUE CORRESPONDANTE

PATENT ASSIGNEE:

QUANTUM ENGINEERING, INC., (4631290), 352 Stowe Avenue, Orange Park, FL
32073, (US), (Applicant designated States: all)

INVENTOR:

KANE, Mark, Edward, 2653 Holly Point Drive, Orange Park, FL 32073, (US)

SHOCKLEY, James, Francis, 3011 Doctors Lake Drive, Orange Park, FL
32073, (US)

HICKENLOOPER, Harrison, Thomas, Route 3, Box 1830, Palatka, FL 32177,
(US)

PATENT (CC, No, Kind, Date):

WO 2004002801 040108

APPLICATION (CC, No, Date): EP 2003762272 030701; WO 2003US20667 030701

PRIORITY (CC, No, Date): US 184929 020701

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS: B61L-001/00

LANGUAGE (Publication,Procedural,Application): English; English; English

METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A *WARNING* DEVICE ON A
TRAIN

SYSTEME PERMETTANT DE DECLANCHER AUTOMATIQUEMENT LE SYSTEME AVERTISSEUR
D'UN *TRAIN* ET TECHNIQUE CORRESPONDANTE

INVENTOR:

KANE, Mark, Edward...

...US)

SHOCKLEY, James, Francis...

...US)

HICKENLOOPER, Harrison, Thomas...

34/3,K/3 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015984552 **Image available**

WPI Acc No: 2004-142402/200414

Related WPI Acc No: 2003-895318

XRPX Acc No: N04-113641

Train *warning* device e.g. *bell* activating method, selecting next
upcoming location from database based on speed and position, and
determining point to activate device in compliance with regulation
related to location

Patent Assignee: HICKENLOOPER H T (HICK-I); KANE M E (KANE-I); SHOCKLEY J F
(SHOC-I)

Inventor: *HICKENLOOPER H T*; *KANE M E*; *SHOCKLEY J F*

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040015276 | A1 | 20040122 | US 2002184929 | A | 20020701 | 200414 B |
| | | | US 2003619425 | A | 20030716 | |

Priority Applications (No Type Date): US 2002184929 A 20020701; US
2003619425 A 20030716

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20040015276 A1 6 G06F-007/00 Cont of application US 2002184929
Cont of patent US 6609049

Train *warning* device e.g. *bell* activating method, selecting next
upcoming location from database based on speed and position, and
determining...

Inventor: *HICKENLOOPER H T*...

...*KANE M E*...

...*SHOCKLEY J F*

Abstract (Basic):

... The method involves maintaining a database of locations at which
a *warning* device must be activated. A position and a speed of a
train are obtained from a positioning system. A next upcoming
location is selected from the database based on the speed and the
position. A point is determined to activate the *warning* device in
compliance with a regulation related to the next upcoming location.

... An INDEPENDENT CLAIM is also included for a system for
automatically activating a *warning* device on a *train* at a location
...

...Used for activating a *warning* device e.g. *bell*, flashing light and
gate on a *train*.

...

...The method automatically activates a *train* *horn* in a prescribed
manner at an appropriate place and time, thereby eliminating accidents
at public...

...The drawing shows a flowchart of an automatic *horn* sounding method

Title Terms: *TRAIN*;

34/3,K/7 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2004 Thomson Derwent. All rts. reserv.

015833114 **Image available**

WPI Acc No: 2003-895318/200382

Related WPI Acc No: 2004-142402

XRPX Acc No: N03-714321

Computerized method for activating *horn* on *train* involves selecting
next upcoming location of *train*, determining point at which to activate
horn, and activating *horn* at determined point

Patent Assignee: QUANTUM ENG INC (QUAN-N)

Inventor: *HICKENLOOPER H T*; *KANE M E*; *SHOCKLEY J F*

Number of Countries: 105 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|--------------|------|----------|----------------|------|----------|----------|
| US 6609049 | B1 | 20030819 | US 2002184929 | A | 20020701 | 200382 B |
| WO 200402801 | A2 | 20040108 | WO 2003US20667 | A | 20030701 | 200413 |

Priority Applications (No Type Date): US 2002184929 A 20020701

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 6609049 B1 6 G05D-001/00

WO 200402801 A2 E B61L-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ

VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ
UG ZM ZW

Computerized method for activating *horn* on *train* involves selecting
next upcoming location of *train*, determining point at which to activate
horn, and activating *horn* at determined point

Inventor: *HICKENLOOPER H T*...

...*KANE M E*...

...*SHOCKLEY J F*

Abstract (Basic):

... among the locations stored in a database based on the speed and
position of a *train* obtained from a positioning system. A point at
which to activate a *horn* is determined in compliance with a
regulation corresponding to the next upcoming location. The *horn* is
activated at the determined point.

... An INDEPENDENT CLAIM is also included for a system for
automatically activating a *warning* device on a *train*.

...For activating *horn* on *train*.

...Activates *horn* automatically in prescribed manner at appropriate place
and time...

...The figure is a flowchart of the computerized method for activating a
horn on a *train*.

...Title Terms: *HORN*;

34/AA,AN,AZ,TI/1 (Item 1 from file: 348)

DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

01706610

METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A *WARNING* DEVICE ON A
TRAIN

SYSTEME PERMETTANT DE DECLENCHER AUTOMATIQUEMENT LE SYSTEME AVERTISSEUR
D'UN *TRAIN* ET TECHNIQUE CORRESPONDANTE

APPLICATION (CC, No, Date): EP 2003762272 030701; WO 2003US20667 030701
PRIORITY (CC, No, Date): US 184929 020701

34/AA,AN,AZ,TI/2 (Item 1 from file: 349)

DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00818979

SYSTEM AND METHOD FOR REAL TIME VIDEO PRODUCTION

SYSTEME ET PROCEDE DESTINES A UNE PRODUCTION ET A UNE DIFFUSION SELECTIVE
DE VIDEO EN TEMPS REEL

Application: WO 2001US547 20010109 (PCT/WO US0100547)

34/AA,AN,AZ,TI/3 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015984552

WPI Acc No: 2004-142402/

Train *warning* device e.g. *bell* activating method, selecting next
upcoming location from database based on speed and position, and
determining point to activate device in compliance with regulation
related to location

Local Applications (No Type Date): US 2002184929 A 20020701; US 2003619425
A 20030716

Priority Applications (No Type Date): US 2002184929 A 20020701; US
2003619425 A 20030716

34/AA,AN,AZ,TI/4 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015940608

WPI Acc No: 2004-098449/

Train controlling system, has control unit to compare information from
two positioning systems and to take corrective action when comparison
indicates disconnection of front of *train* from rear of *train*

Local Applications (No Type Date): US 2002186426 A 20020702; WO 2003US20745
A 20030702

Priority Applications (No Type Date): US 2002186426 A 20020702

34/AA,AN,AZ,TI/5 (Item 3 from file: 350)

DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015913135

WPI Acc No: 2004-070975/

Train wheel size determining method, involves determining linear
distance traveled by *train*, and calculating wheel size based on total
distance and total number of wheel revolutions occurring during
determining steps

Local Applications (No Type Date): US 2002157874 A 20020531; US 2003609377
A 20030701

Priority Applications (No Type Date): US 2003609377 A 20030701; US
2002157874 A 20020531

34/AA,AN,AZ,TI/6 (Item 4 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015876172

WPI Acc No: 2004-034003/

Size determining system for wheel of *train*, has control unit that determines the size of the wheel based on the distance traveled by the *train* and the information about the measured wheel rotation

Local Applications (No Type Date): US 2002157874 A 20020531; WO 2003US17212 A 20030602; US 2002157874 A 20020531

Priority Applications (No Type Date): US 2002157874 A 20020531

34/AA,AN,AZ,TI/7 (Item 5 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015833114

WPI Acc No: 2003-895318/

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point

Local Applications (No Type Date): US 2002184929 A 20020701; WO 2003US20667 A 20030701

Priority Applications (No Type Date): US 2002184929 A 20020701

34/AA,AN,AZ,TI/8 (Item 6 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

013605565

WPI Acc No: 2001-089773/

Antenna system for use in *locomotive* environment, outputs radio frequency *signal* having greatest power to increase immunity to variable distance between source and antenna

Local Applications (No Type Date): US 95571811 A 19951213; US 97939426 A 19970929; US 99317226 A 19990524

Priority Applications (No Type Date): US 97939426 A 19970929; US 95571811 A 19951213; US 99317226 A 19990524

34/AA,AN,AZ,TI/9 (Item 7 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

013370962

WPI Acc No: 2000-542901/

Positive *signal* comparator system for wayside signaling and on-board *locomotive* acknowledgment system for rail transportation, compares *signals* from switches of pendants and accordingly provides control *signals*

Local Applications (No Type Date): US 98105583 A 19980626

Priority Applications (No Type Date): US 98105583 A 19980626

34/AA,AN,AZ,TI/10 (Item 8 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

012743883

WPI Acc No: 1999-550000/

Dual near-field focused antenna array for use in *locomotive* environment

Local Applications (No Type Date): US 95571811 A 19951213; US 97939426 A 19970929

Priority Applications (No Type Date): US 97939426 A 19970929; US 95571811 A 19951213

34/AA,AN,AZ,TI/11 (Item 9 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

011634056

WPI Acc No: 1998-051184/

RF coupler for wireless communication between different carriages in e.g.
train - has two coupler housings, each having two associated antenna
elements which are configured to transceive separate channels for
bidirectional communication, with coupler housings mounted to different
carriages

Local Applications (No Type Date): US 96713521 A 19960913

Priority Applications (No Type Date): US 96713521 A 19960913

34/AA,AN,AZ,TI/12 (Item 10 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

011511125

WPI Acc No: 1997-489039/

Near-field focused fixed beam array antenna - has number of conductive
elements which transduce electromagnetic *signals* which are initially
shifted in phase and then coherently added by power divider

Local Applications (No Type Date): US 95571811 A 19951213

Priority Applications (No Type Date): US 95571811 A 19951213

34/AA,AN,AZ,TI/13 (Item 11 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

009324200

WPI Acc No: 1993-017664/

Speed sensitive visual *warning* system for *locomotive* - has light
signal unit on *locomotive* body connected to control unit prolong
manual-automatic energisation, with lights enabled-disabled above-below
predetermined speed

Local Applications (No Type Date): US 90584357 A 19900918

Priority Applications (No Type Date): US 90584357 A 19900918

34/AA,AN,AZ,TI/14 (Item 12 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

007712078

WPI Acc No: 1988-346010/

Gravity operated tilt switch for end of *train* signalling equipment -
turns power off when equipment is laid on its side after predetermined
time constant determined by capacitor

Local Applications (No Type Date): US 8787333 A 19870820

Priority Applications (No Type Date): US 8787333 A 19870820

34/AA,AN,AZ,TI/15 (Item 13 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

007571232

WPI Acc No: 1988-205164/

Automatic *train*-line air brake pressure monitoring system - has
amplifier providing *signal* proportional to sensed pressure in brake
pipe and hold circuit storing *signals* peak value

Local Applications (No Type Date): US 8754449 A 19870527

Priority Applications (No Type Date): US 8754449 A 19870527

34/AA,AN,AZ,TI/16 (Item 1 from file: 484)

DIALOG(R)File 484:(c) 2004 ProQuest. All rts. reserv.

03745219

Gardener's almanac

?show files;ds
 File 347:JAPIO Nov 1976-2003/Dec(Updated 040402)
 (c) 2004 JPO & JAPIO
 File 350:Derwent WPIX 1963-2004/UD,UM &UP=200423
 (c) 2004 Thomson Derwent
 File 371:French Patents 1961-2002/BOPI 200209
 (c) 2002 INPI. All rts. reserv.

| Set | Items | Description |
|-----|---------|---|
| S1 | 3572450 | WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARUM? ? OR HONK??? OR TOOT??? OR RING??? OR (FLASHING OR BLINKING)()LIGHT? ? OR GATE? ? OR BARRIER? ? |
| S2 | 163447 | TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL() (WAY OR ROAD) OR ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN? |
| S3 | 1789132 | REQUIRED OR REQUIREMENT? ? OR REGULAT??? OR REG OR REGS ORLEGAL OR LAW.OR PRESCRIBE? ? OR OBLIGATORY OR COMPULSORY OR IMPERATIVE OR MANDATORY OR ORDINANCE OR STATUT??? |
| S4 | 4100595 | LOCATION? ? OR INTERSECTION? ? OR HIGHWAY? ? OR PLACE? ? OR POSITION OR COORDINATES OR CO()ORDINAT??? OR POINT OR ADDRESS OR SITE |
| S5 | 194946 | DATABASE? ? OR DATABANK? ? OR DATASET? ? OR DATAFILE? ? OR (DATA OR INFORMATION)() (BASE? ? OR BANK? ? OR SET? ? OR FILE? ?) OR DB OR RDBMS OR DBMS OR OODB |
| S6 | 15611 | S1(10N)S2 |
| S7 | 106519 | S3(5N)S4 |
| S8 | 316 | S5(10N)S7 |
| S9 | 0 | S6(S)S8 |
| S10 | 0 | S6 AND S8 |
| S11 | 145679 | S3(10N)S4 |
| S12 | 1435 | S5(S)S11 |
| S13 | 6 | S6 AND S12 |
| S14 | 28694 | S1(S)S2 |
| S15 | 8 | S12 AND S14 |
| S16 | 8 | IDPAT (sorted in duplicate/non-duplicate order) |
| S17 | 8 | IDPAT (primary/non-duplicate records only) |

17/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015984552 **Image available**
WPI Acc No: 2004-142402/200414
Related WPI Acc No: 2003-895318
XRPX Acc No: N04-113641

Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from *database* based on speed and *position*, and determining *point* to activate device in compliance with *regulation* related to *location

Patent Assignee: HICKENLOOPER H T (HICK-I); KANE M E (KANE-I); SHOCKLEY J F (SHOC-I)

Inventor: HICKENLOOPER H T; KANE M E; SHOCKLEY J F

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040015276 | A1 | 20040122 | US 2002184929 | A | 20020701 | 200414 B |
| | | | US 2003619425 | A | 20030716 | |

Priority Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|----------------|------|-----|----|-------------|--|
| US 20040015276 | A1 | | 6 | G06F-007/00 | Cont of application US 2002184929 Cont of patent US 6609049 |

Train* *warning* device e.g. *bell* activating method, selecting next upcoming location from *database* based on speed and *position*, and determining *point* to activate device in compliance with *regulation* related to *location

Abstract (Basic):

... The method involves maintaining a database of locations at which a *warning* device must be activated. A position and a speed of a *train* are obtained from a positioning system. A next upcoming location is selected from the database based on the speed and the position. A point is determined to activate the *warning* device in compliance with a *regulation* related to the next upcoming *location*.

... An INDEPENDENT CLAIM is also included for a system for automatically activating a *warning* device on a *train* at a location ...

...Used for activating a warning device e.g. bell, flashing light and *gate* on a *train*.

...The method automatically activates a *train* *horn* in a prescribed manner at an appropriate place and time, thereby eliminating accidents at public

Title Terms: *TRAIN*;

17/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015833114 **Image available**
WPI Acc No: 2003-895318/200382
Related WPI Acc No: 2004-142402
XRPX Acc No: N03-714321

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate

***horn*, and activating *horn* at determined point**

Patent Assignee: QUANTUM ENG INC (QUAN-N)

Inventor: HICKENLOOPER H T; KANE M E; SHOCKLEY J F

Number of Countries: 105 Number of Patents: 002

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|--------------|------|----------|----------------|------|----------|----------|
| US 6609049 | B1 | 20030819 | US 2002184929 | A | 20020701 | 200382 B |
| WO 200402801 | A2 | 20040108 | WO 2003US20667 | A | 20030701 | 200413 |

Priority Applications (No Type Date): US 2002184929 A 20020701

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 6609049 B1 6 G05D-001/00

WO 200402801 A2 E B61L-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO
NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ
VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ
UG ZM ZW

**Computerized method for activating *horn* on *train* involves selecting
next upcoming location of *train*, determining point at which to activate
horn, and activating *horn* at determined point**

Abstract (Basic):

... among the locations stored in a database based on the speed and
position of a *train* obtained from a positioning system. A point at
which to activate a *horn* is determined in compliance with a
regulation corresponding to the next upcoming *location*. The *horn*
is activated at the determined point.

... An INDEPENDENT CLAIM is also included for a system for
automatically activating a *warning* device on a *train*.

... For activating *horn* on *train*.

... The figure is a flowchart of the computerized method for activating a
horn on a *train*.

... Title Terms: *HORN*;

17/AN,AZ,TI/1 (Item 1 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015984552

Train *warning* device e.g. *bell* activating method, selecting next upcoming location from *database* based on speed and *position*, and determining *point* to activate device in compliance with *regulation* related to *location*

Local Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716

Priority Applications (No Type Date): US 2002184929 A 20020701; US 2003619425 A 20030716

17/AN,AZ,TI/2 (Item 2 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

015833114

Computerized method for activating *horn* on *train* involves selecting next upcoming location of *train*, determining point at which to activate *horn*, and activating *horn* at determined point

Local Applications (No Type Date): US 2002184929 A 20020701; WO 2003US20667 A 20030701

Priority Applications (No Type Date): US 2002184929 A 20020701

17/AN,AZ,TI/3 (Item 3 from file: 350)
DIALOG(R)File 350:(c) 2004 Thomson Derwent. All rts. reserv.

012618125

Automatic route control apparatus for *regulating* operation of on-*site* device in train station - has *database* that stores response from on-site device and operation indication with time information sent to on-site device, and switching processor that inputs information from *database* for reproduction

Local Applications (No Type Date): JP 97344659 A 19971215

Priority Applications (No Type Date): JP 97344659 A 19971215

17/AN,AZ,TI/4 (Item 4 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

06803418

AUTOMATIC TRAIN CONTROL DEVICE

APPL. NO.: 11-207238 [JP 99207238]

17/AN,AZ,TI/5 (Item 5 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

04710362

POSITION REGISTRATION METHOD

APPL. NO.: 05-192808 [JP 93192808]

17/AN,AZ,TI/6 (Item 6 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

04064291

POSITION REGISTRATION SYSTEM

APPL. NO.: 03-237461 [JP 91237461]

17/AN,AZ,TI/7 (Item 7 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

04054844
DATA ASSURING DEVICE

APPL. NO.: 03-199239 [JP 91199239]

17/AN,AZ,TI/8 (Item 8 from file: 347)
DIALOG(R)File 347:(c) 2004 JPO & JAPIO. All rts. reserv.

03781771*
CAR MOUNTED RAIL OIL APPLYING DEVICE

APPL. NO.: 02-271375 [JP 90271375]

?show files;ds

File 35:Dissertation Abs Online 1861-2004/Mar
(c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Apr W2
(c) 2004 BLDSC all rts. reserv.
File 8: Ei Compendex(R) 1970-2004/Apr W1
(c) 2004 Elsevier Eng. Info. Inc.
File 94: JICST-EPlus 1985-2004/Mar W4
(c) 2004 Japan Science and Tech Corp(JST)
File 6: NTIS 1964-2004/Apr W2
(c) 2004 NTIS, Intl Cpyrght All Rights Res
File 144: Pascal 1973-2004/Apr W1
(c) 2004 INIST/CNRS
File 63: Transport Res(TRIS) 1970-2004/Mar
(c) fmt only 2004 Dialog Corp.
File 99: Wilson Appl. Sci & Tech Abs 1983-2004/Mar
(c) 2004 The HW Wilson Co.
File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group
File 58: GeoArchive 1974-2004/Oct
(c) 2004 Geosystems
File 292: GEOBASE(TM) 1980-2004/Apr B1
(c) 2004 Elsevier Science Ltd.
File 89: GeoRef 1785-2004/Apr B2
(c) 2004 American Geological Institute
File 2: INSPEC 1969-2004/Apr W1
(c) 2004 Institution of Electrical Engineers
File 34: SciSearch(R) Cited Ref Sci 1990-2004/Apr W2
(c) 2004 Inst for Sci Info
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 111: TGG Natl. Newspaper Index(SM) 1979-2004/Apr 15
(c) 2004 The Gale Group

| Set | Items | Description |
|-----|---------|--|
| S1 | 3958181 | WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARM? ? OR HONK??? OR TOOT??? OR RING??? OR (FLASHING OR BLINKING) LIGHT? ? OR GATE? ? OR BARRIER? ? |
| S2 | 376602 | TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL() (WAY OR ROAD) OR ROLLING() STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN? |
| S3 | 4840664 | REQUIRED OR REQUIREMENT? ? OR REGULAT??? OR REG OR REGS ORLEGAL OR LAW OR PRESCRIBE? ? OR OBLIGATORY OR COMPULSORY OR IMPERATIVE OR MANDATORY OR ORDINANCE OR STATUT??? |
| S4 | 6188068 | LOCATION? ? OR INTERSECTION? ? OR HIGHWAY? ? OR PLACE? ? OR POSITION OR COORDINATES OR CO()ORDINAT??? OR POINT OR ADDRESS OR SITE |
| S5 | 1115567 | DATABASE? ? OR DATABANK? ? OR DATASET? ? OR DATAFILE? ? OR (DATA OR INFORMATION) () (BASE? ? OR BANK? ? OR SET? ? OR FILE? ?) OR DB OR RDBMS OR DBMS OR OODB |
| S6 | 11343 | S1(10N)S2 |
| S7 | 84340 | S3(5N)S4 |
| S8 | 445 | S5(10N)S7 |
| S9 | 4 | S6(S)S8 |
| S10 | 143102 | S3(10N)S4 |
| S11 | 3413 | S5(S)S10 |
| S12 | 5 | S6(S)S11 |
| S13 | 6 | S6 AND S11 |
| S14 | 21145 | S1(S)S2 |
| S15 | 8 | S11 AND S14 |
| S16 | 54 | S1 AND S2 AND S3 AND S4 AND S5 |
| S17 | 21145 | S1(S)S2 |
| S18 | 16115 | S3(S)S4(S)S5 |

S19 26 S17 AND S18
S20 24 S17(S)S18
S21 24 S20 NOT PY>2002
S22 24 S21 NOT PD=20020702:20040531
S23 16 RD (unique items)

23/3,K/2 (Item 2 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

01978099 E.I. Monthly No: EI8606051651 E.I. Yearly No: EI86098044
Title: ELECTRONIC SIGNAL BOXES ON FEDERAL GERMAN RAILWAYS.
Author: Wehner, Ludwig
Corporate Source: Deutsche Bundesbahn, West Ger
Source: Rail International v 16 n 9 Oct 1985 p 13-18
Publication Year: 1985
CODEN: RAIIAF ISSN: 0020-8442
Language: ENGLISH

Abstract: The introduction of electronic *signal* boxes on *railways* is not without financial risks. Engineers are faced with difficult tasks because of short innovation periods, huge development expenditure and the stringent *requirements* for safety and reliability *placed* on an electronic system. The *DB* will take several electronic *signal* boxes into operation between 1985 and 1987. Previous experience has revealed that release for serial...

...northern section of the approx. 300 km new line between Hanover and Wuerzburg with electronic *signal* boxes. From 1991, high-speed *trains* travelling at 250 km/h will use both these lines. (Author abstract)

23/3,K/5 (Item 1 from file: 144)
DIALOG(R)File 144:Pascal
(c) 2004 INIST/CNRS. All rts. reserv.

15407164 PASCAL No.: 02-0097848
Energy optimised driving style management using a satellite-based train positioning platform
Computers in railways VII : Bologne, 2000
WINTER J; GU X; SCHMIDT M
ALLAN J, ed; HILL RJ, ed; BREBBIA CA, ed; SCIUTTO G, ed; SONE S, ed
DaimlerChrysler Rail Systems (Signal) GmbH, Germany
International conference on computers in railways, 7 (Bologne ITA) 2000
2000 1301-1307
Publisher: WIT Press, Southampton
Language: English

Copyright (c) 2002 INIST-CNRS. All rights reserved.

... more new opportunities for rail transport improvement. Based on the Global Positioning System (GPS), the *train* positioning system OPTIVIA developed by DaimlerChrysler Rail Systems (*Signal*) GmbH combines data from a variety of sources and provides accurate and reliable *position* data which can be used to optimise the transport process without a cost intensive infrastructure. The paper presents the principle and the performance of the GPS-based *train* positioning system. The system uses data collected from the GPS receiver, odometer and route *database* to achieve *required* positioning accuracy and availability. Although the sensors used have both strength and weaknesses, by combining the complementary strengths of the sensors, the *train* positioning system is able to determine accurate and reliable speed and *position* data. For example, odometer data can be calibrated from the available accurate GPS positioning data...

... the calibrated odometer data can provide reliable positioning when GPS positioning is not available during *signal* shadowing phases. With the integrated positioning data, the actual track related data (ramp, curve, speed limit, stopping *point*, tunnel, etc.) can be extracted from the route *data* *base*. As an useful application for satellite based *train* positioning system the energy optimised driving style manager is presented

here. Depending on track condition...

...storage. This system is scheduled to be tested on the Adtranz ICN (Swiss intercity tilting *train*) in 2000.

23/3,K/12 (Item 5 from file: 63)
DIALOG(R)File 63:Transport Res(TRIS)
(c) fmt only 2004 Dialog Corp. All rts.' reserv.

00127007 DA
TITLE: THE DB'S OPTICAL WARNING SYSTEM FOR PERMANENT WAY MAINTENANCE GANGS ; DIE OPTISCHE ROTTENWARNANLAGE DER DB
AUTHOR(S): Koerber, H
CORPORATE SOURCE: Dr Arthur Tetzlaff-Verlag, Niddastrasse 64, Frankfurt am Main , West Germany
JOURNAL: Eisenbahningenieur Vol: 26 Issue Number: 3 Pag: pp 89-90
PUBLICATION DATE: 19750300 **PUBLICATION YEAR:** 1975
LANGUAGE: German **SUBFILE:** RRIS; RRIS (R 7601; R 76S1)
AVAILABILITY: Dr Arthur Tetzlaff-Verlag; Niddastrasse 64 ; Frankfurt am Main ; West Germany
FIGURES: 3 Fig.
DATA SOURCE: International Railway Documentation, Selection of

ABSTRACT: The use of audible *warning* *signals* to gangs working on the line causes much disturbance for people living near the *railway*, especially at night. The *DB* has tried to replace audible warnings by optical *signals* for work on the permanent way at night. The principle is that at the arrival of the *train*, the lighting intensity at the worksite is varied according to the two frequencies used by the *DB* to show the track on which the *train* is arriving. On engines with autonomous lighting, electronic flash-devices are used to warn the gangs. Finally, the author stresses that the present *warning* system depending on a look-out man, as used by the *DB*, is unsatisfactory from the safety *point* of view. Only automatically operated equipment could meet safety *requirements*. Moreover, this optical *warning* device saves manpower, as the look-out man is not *required*.

23/3,K/15 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03975090 INSPEC Abstract Number: B91067160, C91056843
Title: *SIPAC: an information system for signal boxes and traffic requirements*
Author(s): Bourda, A.; Chardonnal, M.; Michel, P.
Journal: Revue General des Chemins de Fer vol.110, no.1 p.5-9
Publication Date: Jan. 1991 **Country of Publication:** France
CODEN: RGCFAI **ISSN:** 0035-3183
Language: French
Subfile: B C

Abstract: A computer system has been designed for medium-size *signal* boxes with microcomputer-based software. The list of the order of *trains* adapted to *signal* box *requirements* can be displayed on a VDU and can also be used for the remote display and public *address* system. This important aid affects about 20% of the work time of switching and can be enhanced by incorporating a track occupation graph in the application and setting up a *database* for the station.

23/AA,AN,TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

05835364
E.I. No: EIP01246544294
Title: Winner take-all experts network for sensor validation

23/AA,AN,TI/2 (Item 2 from file: 8)
DIALOG(R)File 8:(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

01978099
E.I. Monthly No: EI8606051651
Title: ELECTRONIC SIGNAL BOXES ON FEDERAL GERMAN RAILWAYS.

23/AA,AN,TI/3 (Item 1 from file: 94)
DIALOG(R)File 94:(c)2004 Japan Science and Tech Corp(JST). All rts.
reserv.

05542214 JICST ACCESSION NUMBER: 02A0787058
Development of the construction support tool which for the operating
control support system.

23/AA,AN,TI/4 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2004 NTIS, Intl Cpyrght All Rights Res. All rts.
reserv.

NTIS Accession Number: DE00756340/XAB
Monitoring Large Enrichment Plants Using Thermal Imagery from Commercial
Satellites: A Case Study

23/AA,AN,TI/5 (Item 1 from file: 144)
DIALOG(R)File 144:(c) 2004 INIST/CNRS. All rts. reserv.

15407164 PASCAL No.: 02-0097848
Energy optimised driving style management using a satellite-based train
positioning platform
Computers in railways VII: Bologne, 2000

23/AA,AN,TI/6 (Item 2 from file: 144)
DIALOG(R)File 144:(c) 2004 INIST/CNRS. All rts. reserv.

14813649 PASCAL No.: 00-0496067
Bayesian analysis of multi-modal data and brain imaging
Optical pulse and beam propagation II : San Jose CA, 25-27 January 2000

23/AA,AN,TI/7 (Item 3 from file: 144)
DIALOG(R)File 144:(c) 2004 INIST/CNRS. All rts. reserv.

12390290 PASCAL No.: 96-0037543
A fast track to effective waste minimization : government and industry
working together
Environmental conference : Houston TX, 27-29 March 1995

23/AA,AN,TI/8 (Item 1 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00933860
TITLE: ADVANCE WARNING TO AVOID RAILROAD DELAYS (AWARD) MODEL DEPLOYMENT

INITIATIVE ACCEPTANCE TEST PLAN. VERSION 1.0

23/AA,AN,TI/9 (Item 2 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00793191

TITLE: METHODS FOR THE DEVELOPMENT AND USE OF A TRAFFIC VIOLATION DATABASE
TO ENHANCE SAFETY ENFORCEMENT EFFORTS

23/AA,AN,TI/10 (Item 3 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00768872

TITLE: DEVELOPMENT OF A GIS-BASED CRASH REFERENCING AND ANALYSIS SYSTEM

23/AA,AN,TI/11 (Item 4 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00745804

TITLE: DEMONSTRATION OF AUTOMATED ENFORCEMENT SYSTEMS AT SELECTED
HIGHWAY-RAILROAD GRADE CROSSINGS IN TEXAS

23/AA,AN,TI/12 (Item 5 from file: 63)
DIALOG(R)File 63:(c) fmt only 2004 Dialog Corp. All rts. reserv.

00127007

TITLE: THE DB'S OPTICAL WARNING SYSTEM FOR PERMANENT WAY MAINTENANCE GANGS
; DIE OPTISCHE ROTTENWARNANLAGE DER DB

23/AA,AN,TI/13 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts.
reserv.

Title: Wireless communications based system to monitor performance of rail
vehicles

23/AA,AN,TI/14 (Item 2 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts.
reserv.

Title: Assessing seriousness of road destruction and signal control
algorithm under disasters

23/AA,AN,TI/15 (Item 3 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts.
reserv.

Title: SIPAC: an information system for signal boxes and traffic
requirements

23/AA,AN,TI/16 (Item 4 from file: 2)
DIALOG(R)File 2:(c) 2004 Institution of Electrical Engineers. All rts.
reserv.

Title: Mobile block system being enforced in West Germany

?show files;ds

File 9:Business & Industry(R) Jul/1994-2004/Apr 14
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/Apr 15
(c) 2004 ProQuest Info&Learning
File 148:Gale Group Trade & Industry DB 1976-2004/Apr 15
(c)2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/Apr W1
(c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Apr W1
(c) 2004 IDG Communications
File 990:NewsRoom Current Jan-2004/Apr 15
(c) 2004 The Dialog Corporation
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/Apr 15
(c) 2004 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/Apr 15
(c) 2004 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2004/Apr 15
(c) 2004 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Apr 15
(c) 2004 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2004/Apr 15
(c) 2004 The Gale Group
File 16:Gale Group PROMT(R) 1990-2004/Apr 15
(c) 2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 587:Jane's Defense&Aerospace 2004/Apr W2
(c) 2004 Jane's Information Group
File 239:Mathsci 1940-2004/May
(c) 2004 American Mathematical Society
File 624:McGraw-Hill Publications 1985-2004/Apr 14
(c). 2004 McGraw-Hill Co. Inc
File 256:SoftBase:Reviews,Companies&Prods. 82-2004/Mar
(c)2004 Info.Sources Inc
File 484:Periodical Abs Plustext 1986-2004/Apr W2
(c) 2004 ProQuest
File 141:Readers Guide 1983-2004/Apr
(c) 2004 The HW Wilson Co

| Set | Items | Description |
|-----|----------|---|
| S1 | 5152218 | WARNING OR HORN? ? OR WHISTLE? ? OR BELL? ? OR SIREN? ? OR ALARM? ? OR ALERT? ? OR SIGNAL? ? OR STEAMWHISTLE? ? OR ALARUM? ? OR HONK??? OR TOOT??? OR RING??? OR (FLASHING OR BLINKING)()LIGHT? ? OR GATE? ? OR BARRIER? ? |
| S2 | 1089789 | TRAIN? ? OR RAILWAY? OR RAILROAD? OR RAIL() (WAY OR ROAD) OR ROLLING()STOCK OR FREIGHTTRAIN? ? OR EXPRESSTRAIN? ? OR PASSENGERTRAIN? ? OR LOCOMOTIVE? ? OR FREIGHTLINER OR FREIGHTER OR STEAMTRAIN? OR DIESELTRAIN? OR ELECTRICTRAIN? |
| S3 | 11378936 | REQUIRED OR REQUIREMENT? ? OR REGULAT??? OR REG OR REGS OR LEGAL OR LAW OR PRESCRIBE? ? OR OBLIGATORY OR COMPULSORY OR IMPERATIVE OR MANDATORY OR ORDINANCE OR STATUT??? |
| S4 | 16621599 | LOCATION? ? OR INTERSECTION? ? OR HIGHWAY? ? OR PLACE? ? OR POSITION OR COORDINATES OR CO()ORDINAT??? OR POINT OR ADDRESS OR SITE |
| S5 | 2445814 | DATABASE? ? OR DATABANK? ? OR DATASET? ? OR DATAFILE? ? OR (DATA OR INFORMATION)() (BASE? ? OR BANK? ? OR SET? ? OR FILE? ?) OR DB OR RDBMS OR DBMS OR OODB |
| S6 | 21973 | S1(10N)S2 |
| S7 | 334388 | S3(5N)S4 |
| S8 | 2049 | S5(10N)S7 |
| S9 | 0 | S6(S)S8 |
| S10 | 3 | S6 AND S8 |

| | | |
|-----|-------|------------------------------|
| S11 | 44765 | S1(S)S2 |
| S12 | 36350 | S3(S)S4(S)S5 |
| S13 | 170 | S11 AND S12 |
| S14 | 109 | S11(S)S12 |
| S15 | 21973 | S1(10N)S2 |
| S16 | 9255 | S3(10N)S4(10N)S5 |
| S17 | 0 | S15(S)S16 |
| S18 | 14 | S12(S)S15 |
| S19 | 0 | S11(S)S16 |
| S20 | 13 | S18 NOT PY>2002 |
| S21 | 13 | S20 NOT PD=20020702:20040531 |
| S22 | 8 | RD (unique items) |

22/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1677871 Supplier Number: 01677871 (USE FORMAT 7 OR 9 FOR FULLTEXT)
EDR Adds Railroad Corridors To Database
(EDR Wireless Group has included railroad corridors in its updated EDR Site Locator database)
Wireless Week, p 11
November 25, 1996
DOCUMENT TYPE: Journal ISSN: 1085-0473 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 402

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...Wireless Group Division.

Railroad corridors are particularly appealing as potential antenna sites because they provide *locations* that are free of *ordinance* hassles. These corridors "are typically in an industrial area in which zoning boards tend to look," for sites, according to Gary Pfeiffer, manager of communications and *signal* revenue at Consolidated Rail Corp. Conrail is one of several *railroads* that provided input for the *database*. Corridor location is not always a given, Pfeiffer warned, since in some cases "it's...

22/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00884268 95-33660
New York: All signals are "go"
Vantuono, William C
Railway Age v195n6 PP: 41-49 Jun 1994
ISSN: 0033-8826 JRNL CODE: RAA
WORD COUNT: 2937

...TEXT: 41). New systems, or adaptations of existing technology, are in various stages of development.

General *Railway* *Signal* describes its next-generation *train* control system (code name ATLAS(TM)) as a communications-based, intelligent-vehicle system in which the vehicle determines its precise *location* and controls its speed/braking profile. ATLAS(TM) uses a vital *database* that contains vehicle/train and infrastructure characteristics. Because it is an intelligent-vehicle system, it...

... without forcing any trains to stop. The system eliminates the need for the stringent synchronization *required* by systems that use the VWC link to determine vehicle *position*. ATLAS(TM) also provides for automatic data link rerouting.
ATLAS(TM),, says GRS, is a...

22/3,K/3 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

11852717 SUPPLIER NUMBER: 60087568 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A PROPOSED HIGHWAY-RAIL GRADE CROSSING RULE. (Brief Article)
Railway Age, 201, 2, 19
Feb, 2000

DOCUMENT TYPE: Brief Article

ISSN: 0033-8826

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 164 LINE COUNT: 00016

TEXT:

A PROPOSED HIGHWAY-RAIL GRADE CROSSING RULE will require *locomotive* engineers to sound their *horns* at every public crossing except those in communities designated as quiet zones (RA, October 1999...

...four quadrant gates, median devices at gated crossings, temporary closure, photo-enforcement, long-term, programmatic *law* enforcement, and targeted public education. Among the rule's major points are a maximum horn or whistle sound level of 104 *dB* or 111 *dB* and a time limit on horn or whistle sound. The rule has been posted on...

22/AA,AN,TI/1 (Item 1 from file: 9)
DIALOG(R)File 9:(c) 2004 The Gale Group. All rts. reserv.

1677871 Supplier Number: 01677871
EDR Adds Railroad Corridors To Database

22/AA,AN,TI/2 (Item 1 from file: 15)
DIALOG(R)File 15:(c) 2004 ProQuest Info&Learning. All rts. reserv.

00884268 95-33660
New York: All signals are "go"

22/AA,AN,TI/3 (Item 1 from file: 148)
DIALOG(R)File 148:(c)2004 The Gale Group. All rts. reserv.

11852717 SUPPLIER NUMBER: 60087568
A PROPOSED HIGHWAY-RAIL GRADE CROSSING RULE. (Brief Article)

22/AA,AN,TI/4 (Item 1 from file: 47)
DIALOG(R)File 47:(c) 2004 The Gale group. All rts. reserv.
04385899 SUPPLIER NUMBER: 17726340
Undergraduate instruction and the Internet. (The Library and Undergraduate Education)

22/AA,AN,TI/5 (Item 1 from file: 636)
DIALOG(R)File 636:(c) 2004 The Gale Group. All rts. reserv.
03914008 Supplier Number: 50125628
-OLIVETTI COMPUTERS: New NetStrada server based on state-of-the-art Intel Pentium II Xeon processor

22/AA,AN,TI/6 (Item 2 from file: 636)
DIALOG(R)File 636:(c) 2004 The Gale Group. All rts. reserv.
03911525 Supplier Number: 50116598
-OLIVETTI COMPUTERS WORLDWIDE: Olivetti announces new NetStrada server

22/AA,AN,TI/7 (Item 1 from file: 587)
DIALOG(R)File 587:(c) 2004 Jane's Information Group. All rts. reserv.
10873968
US resurrects satellite trials

22/AA,AN,TI/8 (Item 1 from file: 624)
DIALOG(R)File 624:(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.
0018444
Rail plan revives Columbia, S.C.: Untying a transportation Gordian knot will spur city's growth